

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/267,439

DATE: 11/04/1999
TIME: 13:50:26

INPUT SET: S33847.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

- 1
- 2
- 3 (1) General Information:
- 4
- 5 (i) APPLICANT: KAWAKAMI, YUTAKA; ROSENBERG,
- 6 STEVEN A.
- 7
- 8 (ii) TITLE OF INVENTION: MELANOMA ANTIGENS AND
- 9 THEIR USE IN DIAGNOSTIC AND THERAPEUTIC
- 10 METHODS
- 11
- 12 (iii) NUMBER OF SEQUENCES: 126
- 13
- 14 (iv) CORRESPONDENCE ADDRESS:
- 15 (A) ADDRESSEE: MORGAN & FINNEGAN, L.L.P.
- 16 (B) STREET: 345 PARK AVENUE
- 17 (C) CITY: NEW YORK
- 18 (D) STATE: NEW YORK
- 19 (E) COUNTRY: USA
- 20 (F) ZIP: 10154
- 21
- 22 (v) COMPUTER READABLE FORM:
- 23 (A) MEDIUM TYPE: FLOPPY DISK
- 24 (B) COMPUTER: IBM PC COMPATIBLE
- 25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
- 26 (D) SOFTWARE: ASCII
- 27
- 28 (vi) CURRENT APPLICATION DATA:
- 29 (A) APPLICATION NUMBER: 09/267,439
- 30 (B) FILING DATE:
- 31
- 32 (vii) PRIOR APPLICATION DATA:
- 33 (A) APPLICATION NUMBER: US/08/417,174
- 34 (B) FILING DATE: 05-APR-1995
- 35
- 36 (A) APPLICATION NUMBER: US/08/231,565
- 37 (B) FILING DATE: 22-APR-1994
- 38
- 39 (viii) ATTORNEY/AGENT INFORMATION:
- 40 (A) NAME: CAROL M. GRUPPI
- 41 (B) REGISTRATION NUMBER: 37,341
- 42 (C) REFERENCE/DOCKET NUMBER: 2026-4124US1
- 43
- 44 (ix) TELECOMMUNICATION INFORMATION:
- 45 (A) TELEPHONE: (212) 758-4800
- 46 (B) TELEFAX: (212) 751-6849

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(C) TELEX: 421792

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(2) INFORMATION FOR SEQ ID NO: 1:

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(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1559

(B) TYPE: NUCLEOTIDE

(C) STRANDEDNESS: DOUBLE

(D) TOPOLOGY: UNKNOWN

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

AGCAGACAGA GGACTCTCAT TAAGGAAGGT GTCCTGTGCC	40
CTGACCCTAC AAGATGCCAA GAGAAGATGC TCACTTCATC	80
TATGGTTACC CCAAGAAGGG GCACGGCCAC TCTTACACCA	120
CGGCTGAAGA GGCCGCTGGG ATCGGCATCC TGACAGTGAT	160
CCTGGGAGTC TTAGTGCTCA TCGGCTGTTG GTATTGTAGA	200
AGACGAAATG GATACAGAGC CTTGATGGAT AAAAGTCTTC	240
ATGTTGGCAC TCAATGTGCC TTAACAAGAA GATGCCACACA	280
AGAAGGGTTT GATCATCGGG ACAGCAAAGT GTCTCTTCAA	320
GAGAAAAACT GTGAACCTGT GGTTCCCAAT GCTCCACCTG	360
CTTATGAGAA ACTCTCTGCA GAACAGTCAC CACCACCTTA	400
TTCACCTTAA GAGCCAGCGA GACACCTGAG ACATGCTGAA	440
ATTATTTCTC TCACACTTTT GCTTGAATTT AATACAGACA	480
TCTAATGTTT TCCTTTGGAA TGGTGTAGGA AAAATGCAAG	520
CCATCTCTAA TAATAAGTCA GTGTTAAAAT TTTAGTAGGT	560
CCGCTAGCAG TACTAATCAT GTGAGGAAAT GATGAGAAAT	600
ATTAAATTGG GAAAACTCCA TCAATAAATG TTGCAATGCA	640
TGATACTATC TGTGCCAGAG GTAATGTTAG TAAATCCATG	680

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100	GTGTTATTTT CTGAGAGACA GAATTCAAGT GGGTATTCTG	720
101		
102	GGGCCATCCA ATTTCTCTTT ACTTGAAATT TGGCTAATAA	760
103		
104	CAAAC TAGTC AGGTTTTCGA ACCTTGACCG ACATGAACTG	800
105		
106	TACACAGAAT TGTTC CAGTA CTATGGAGTG CTCACAAAGG	840
107		
108	ATACTTTTAC AGGTTAAGAC AAAGGGTTGA CTGGCCTATT	880
109		
110	TATCTGATCA AGAACATGTC AGCAATGTCT CTTTGTGCTC	920
111		
112	TAAAATTCTA TTATACTACA ATAATATATT GTAAAGATCC	960
113		
114	TATAGCTCTT TTTTTTTGAG ATGGAGTTTC GCTTTTGTTG	1000
115		
116		
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118		
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120		
121	CCCAGGCTGG AGTGCAATGG CGCGATCTTG GCTCACCATA	1040
122		
123	ACCTCCGCCT CCCAGGTTCA AGCAATTCTC CTGCCTTAGC	1080
124		
125	CTCCTGAGTA GCTGGGATTA CAGGCGTGCG CCACTATGCC	1120
126		
127	TGACTAATTT TGTAGTTTTA GTAGAGACGG GGTTCCTCCA	1160
128		
129	TGTTGGTCAG GCTGGTCTCA AACTCCTGAC CTCAGGTGAT	1200
130		
131	CTGCCCCGCT CAGCCTCCCA AAGTGCTGGA ATTACAGGCG	1240
132		
133	TGAGCCACCA CGCCTGGCTG GATCCTATAT CTTAGGTAAG	1280
134		
135	ACATATAACG CAGTCTAATT ACATTTCACT TCAAGGCTCA	1320
136		
137	ATGCTATTCT AACTAATGAC AAGTATTTTC TACTAAACCA	1360
138		
139	GAAATTGGTA GAAGGATTTA AATAAGTAAA AGCTACTATG	1400
140		
141	TACTGCCTTA GTGCTGATGC CTGTGTACTG CCTTAAATGT	1440
142		
143	ACCTATGGCA ATTTAGCTCT CTTGGGTTCC CAAATCCCTC	1480
144		
145	TCACAAGAAT GTGCAGAAGA AATCATAAAG GATCAGAGAT	1520
146		
147	TCTGAAAAAA AAAAAAAAAA AAAAAAAAAA AAAAAAAAAA	1559
148		
149		
150	(2) INFORMATION FOR SEQ ID NO: 2:	
151		
152	(i) SEQUENCE CHARACTERISTICS:	

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153 (A) LENGTH: 118
154 (B) TYPE: amino acid
155 (C) STRANDEDNESS: Unknown
156 (D) TOPOLOGY: Unknown
157
158 (ii) MOLECULE TYPE: Protein
159
160 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
161
162 Met Pro Arg Glu Asp Ala His Phe Ile Tyr Gly Tyr Pro Lys
163 1 5 10
164 Lys Gly His Gly His Ser Tyr Thr Thr Ala Glu Glu Ala Ala
165 15 20 25
166 Gly Ile Gly Ile Leu Thr Val Ile Leu Gly Val Leu Leu Leu
167 30 35 40
168 Ile Gly Cys Trp Tyr Cys Arg Arg Arg Asn Gly Tyr Arg Ala
169 45 50 55
170 Leu Met Asp Lys Ser Leu His Val Gly Thr Gln Cys Ala Leu
171 60 65 70
172 Thr Arg Arg Cys Pro Gln Glu Gly Phe Asp His Arg Asp Ser
173 75 80
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179
180 Lys Val Ser Leu Gln Glu Lys Asn Cys Glu Pro Val Val Pro
181 85 90 95
182 Asn Ala Pro Pro Ala Tyr Glu Lys Leu Ser Ala Glu Gln Ser
183 100 105 110
184 Pro Pro Pro Tyr Ser Pro
185 115
186
187
188 (2) INFORMATION FOR SEQ ID NO: 3:
189
190 (i) SEQUENCE CHARACTERISTICS:
191 (A) LENGTH: 9
192 (B) TYPE: amino acid
193 (C) STRANDEDNESS: Unknown
194 (D) TOPOLOGY: Unknown
195
196 (ii) MOLECULE TYPE: Peptide
197
198 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
199
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201 Thr Thr Ala Glu Glu Ala Ala Gly Ile
202 1 5
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205 (2) INFORMATION FOR SEQ ID NO: 4:

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206
207 (i) SEQUENCE CHARACTERISTICS:
208 (A) LENGTH: 9
209 (B) TYPE: amino acid
210 (C) STRANDEDNESS: Unknown
211 (D) TOPOLOGY: Unknown
212
213 (ii) MOLECULE TYPE: Peptide
214
215 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
216
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218 Ala Ala Gly Ile Gly Ile Leu Thr Val
219 1 5
220
221

222 (2) INFORMATION FOR SEQ ID NO: 5:
223
224 (i) SEQUENCE CHARACTERISTICS:
225 (A) LENGTH: 9
226 (B) TYPE: amino acid
227 (C) STRANDEDNESS: Unknown
228 (D) TOPOLOGY: Unknown
229
230 (ii) MOLECULE TYPE: Peptide
231
232 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
233
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239 Gly Ile Gly Ile Leu Thr Val Ile Leu
240 1 5
241
242

243 (2) INFORMATION FOR SEQ ID NO: 6:
244
245 (i) SEQUENCE CHARACTERISTICS:
246 (A) LENGTH: 9
247 (B) TYPE: amino acid
248 (C) STRANDEDNESS: Unknown
249 (D) TOPOLOGY: Unknown
250
25

PAGE: 1

SEQUENCE VERIFICATION REPORT
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Line

Error

Original Text